DNA Sequence of FUS01/02

ATGGAAAAAC AAAATATTGC GGTTATACTT GCGCGCCAAA ACTCCAAAGG

ATTGCCATTA AAAAATCTCC GGAAAATGAA TGGCATATCA TTACTTGGTC

ATACAATTAA TGCTGCTATA TCATCAAAGT GTTTTGACCG CATAATTGTT

TCGACTGATG GCGGGTTAAT TGCAGAAGAA GCTAAAAATT TCGGTGTCGA

AGTCGTCCTA CGCCCTGCAG AGCTGGCCTC CGATACAGCC AGCTCTATTT

CAGGTGTAAT ACATGCTTTA GAAACAATTG GCAGTAATTC CGGCACAGTA

ACCCTATTAC AACCAACCAG TCCATTACGC ACAGGGGCTC ATATTCGTGA

AGCTTTTTCT CTATTTGATG AGAAAATAAA AGGATCCGTT GTCTCTGCAT

GCCCAATGGA GCATCATCCA CTAAAAACCC TGCTTCAAAT CAATAATGGC

GAATATGCCC CCATGCGCCA TCTAAGCGAT TTGGAGCAGC CTCGCCAACA

ATTACCTCAG GCATTTAGGC CTAATGGTGC AATTTACATT AATGATACTG

CTTCACTAAT TGCAAATAAT TGTTTTTTTA TCGCTCCAAC CAAACTTTAT

ATTATGTCTC ATCAAGACTC TATCGATATT GATACTGAGC TTGATTTACA

GlyGly GlyIleLeuS

ACAGGCAGAA AACATTCTTA ATCACAAGGA AAGC**GGTGGC** **GGAATTCTGT**

erHisGlyIle

EcoRI

CGCATGGAAT TCTGGGCTTG AAAAAGGCTT GTTTGACCGT GTTGTGTTTG

ATTGTTTTTT GTTTCGGGAT ATTTTATACA TTTGACCGGG TAAATCATGG

GGAAAGGAAT GCGGTTTCCC TGCTGAAGGA CAAACTCTTC AATGAAGAGG

GGGAACCGGT CAATCTGATT TTCTGCTATA CCATATTGCA GATGAAGGTG

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AGGATAAGGC GGAGCGGGCG TATTTTTTCC ACCTGCCCTA CGGTTTGAAC

AAATCGTTTA ATTTCATTCC GACGATGGCG GAGCTGAAGG TAAAGTCGAT

GCTGCTGCCG AAAGTCAAGC GGATTTATTT GGCAAGTTTG GAAAAAGTCA

GCATTGCCGC CTTTTTGAGC ACTTACCCGG ATGCGGAAAT CAAAACCTTT

GACGACGGGA CAGGCAATTT AATTCAAAGC AGCAGCTATT TGGGCGATGA

GTTTTCTGTA AACGGGACGA TCAAGCGGAA TTTTGCCCGG ATGATGATCG

GAGATTGGAG CATCGCCAAA ACCCGTAATG CTTCCGACGA GCATTACACG

EXHIBIT B

ATATTCAAGG GTTTGAAAAA CATTATGGAC GACGGCCGCC GCAAGATGAC

TTACCTGCCG CTGTTCGATG CGTCCGAACT GAAGGCGGGG GACGAAACGG

GCGGCACGGT GCGGATACTT TTGGGTTCGC CCGACAAGGA GATGAAGGAA

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CCCCCGCCAA ACCTACGGGC TTTCCGGCGT AACCACATTA AATTCGCCCT

ATGTCATCGA AGACTATATT TTGCGCGAGA TTAAGAAAAA CCCGCATACG

AGGTATGAAA TTTATACCTT TTTCAGCGGC GCGGCGTTGA CGATGAAGGA

TTTTCCCAAT GTGCACGTTT ACGCATTGAA ACCGGCTTCC CTTCCGGAAG

ATTATTGGCT CAAGCCGGTG TATGCCCTGT TTACCCAATC CGGCATCCCG

C-Myc Peptide tag sequence

ATTTTGACAT TTGACGATAA AAAT**GAACAA** **AAACTGATCA GCGAAGAAGA**

His 6 Tag

CCTGAA*CCAT* ***CACCACCATC*** ***ACCAC***TAATG A

DNA Sequence of FUS01/04

ATGGAAAAAC AAAATATTGC GGTTATACTT GCGCGCCAAA ACTCCAAAGG

ATTGCCATTA AAAAATCTCC GGAAAATGAA TGGCATATCA TTACTTGGTC

ATACAATTAA TGCTGCTATA TCATCAAAGT GTTTTGACCG CATAATTGTT

TCGACTGATG GCGGGTTAAT TGCAGAAGAA GCTAAAAATT TCGGTGTCGA

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CAGGTGTAAT ACATGCTTTA GAAACAATTG GCAGTAATTC CGGCACAGTA

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GCCCAATGGA GCATCATCCA CTAAAAACCC TGCTTCAAAT CAATAATGGC

GAATATGCCC CCATGCGCCA TCTAAGCGAT TTGGAGCAGC CTCGCCAACA

ATTACCTCAG GCATTTAGGC CTAATGGTGC AATTTACATT AATGATACTG

CTTCACTAAT TGCAAATAAT TGTTTTTTTA TCGCTCCAAC CAAACTTTAT

ATTATGTCTC ATCAAGACTC TATCGATATT GATACTGAGC TTGATTTACA

GlyGly GlyIleLeuS

ACAGGCAGAA AACATTCTTA ATCACAAGGA AAGC**GGTGGC** **GGAATTCTGT**

erGlyIle
EcoRI
CGGGAAT TCTGGGCTTG AAAAAGGCTT GTTTGACCGT GTTGTGTTTG

ATTGTTTTTT GTTTCGGGAT ATTTTATACA TTTGACCGGG TAAATCATGG

GGAAAGGAAT GCGGTTTCCC TGCTGAAGGA CAAACTCTTC AATGAAGAGG

GGGAACCGGT CAATCTGATT TTCTGCTATA CCATATTGCA GATGAAGGTG

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AGGTATGAAA TTTATACCTT TTTCAGCGGC GCGGCGTTGA CGATGAAGGA

TTTTCCCAAT GTGCACGTTT ACGCATTGAA ACCGGCTTCC CTTCCGGAAG

ATTATTGGCT CAAGCCGGTG TATGCCCTGT TTACCCAATC CGGCATCCCG

C-Myc Peptide tag sequence
ATTTTGACAT TTGACGATAA AAAT**GAACAA AAACTGATCA GCGAAGAAGA**

His 6 Tag
CCTGAA*CCAT CACCACCATC ACCAC*TAATG A

DNA Sequence of FUS-01

ATGGAAAAAC AAAATATTGC GGTTATACTT GCGCGCCAAA ACTCCAAAGG

ATTGCCATTA AAAAATCTCC GGAAAATGAA TGGCATATCA TTACTTGGTC

ATACAATTAA TGCTGCTATA TCATCAAAGT GTTTTGACCG CATAATTGTT

TCGACTGATG GCGGGTTAAT TGCAGAAGAA GCTAAAAATT TCGGTGTCGA

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CAGGTGTAAT ACATGCTTTA GAAACAATTG GCAGTAATTC CGGCACAGTA

ACCCTATTAC AACCAACCAG TCCATTACGC ACAGGGGCTC ATATTCGTGA

AGCTTTTTCT CTATTTGATG AGAAAATAAA AGGATCCGTT GTCTCTGCAT

GCCCAATGGA GCATCATCCA CTAAAAACCC TGCTTCAAAT CAATAATGGC

GAATATGCCC CCATGCGCCA TCTAAGCGAT TTGGAGCAGC CTCGCCAACA

ATTACCTCAG GCATTTAGGC CTAATGGTGC AATTTACATT AATGATACTG

CTTCACTAAT TGCAAATAAT TGTTTTTTTA TCGCTCCAAC CAAACTTTAT

ATTATGTCTC ATCAAGACTC TATCGATATT GATACTGAGC TTGATTTACA

GlyGly

ACAGGCAGAA AACATTCTTA ATCACAAGGA AAGC**GGTGGC**

GlyIle

EcoRI

GGAAT TCTGGGCTTG AAAAAGGCTT GTTTGACCGT GTTGTGTTTG

ATTGTTTTTT GTTTCGGGAT ATTTTATACA TTTGACCGGG TAAATCATGG

GGAAAGGAAT GCGGTTTCCC TGCTGAAGGA CAAACTCTTC AATGAAGAGG

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TTTTCCCAAT GTGCACGTTT ACGCATTGAA ACCGGCTTCC CTTCCGGAAG

ATTATTGGCT CAAGCCGGTG TATGCCCTGT TTACCCAATC CGGCATCCCG

C-Myc Peptide tag sequence

ATTTTGACAT TTGACGATAA AAATGAACAA AAACTGATCA GCGAAGAAGA

His 6 linker

CCTGAACCAT CACCACCATC ACCACTAATG A

FUS-01/02 PROTEIN SEQUENCE

MEKQNIAVIL ARQNSKGLPL KNLRKMNGIS LLGHTINAAI SSKCFDRIIV

STDGGLIAEE AKNFGVEVVL RPAELASDTA SSISGVIHAL ETIGSNSGTV

TLLQPTSPLR TGAHIREAFS LFDEKIKGSV VSACPMEHHP LKTLLQINNG

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ILTFDDKNEQ KLISEEDLNH HHHHH

FUS-01/04 PROTEIN SEQUENCE

MEKQNIAVIL ARQNSKGLPL KNLRKMNGIS LLGHTINAAI SSKCFDRIIV

STDGGLIAEE AKNFGVEVVL RPAELASDTA SSISGVIHAL ETIGSNSGTV

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EYAPMRHLSD LEQPRQQLPQ AFRPNGAIYI NDTASLIANN CFFIAPTKLY

IMSHQDSIDI DTELDLQQAE NILNHKES**GG GILSGI**LGL KKACLTVLCL

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AERIMAQHPG ERFYVVLMSE NRNEKYDYYF KQIKDKAERA YFFHLPYGLN

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FUS-01 PROTEIN SEQUENCE

MEKQNIAVIL ARQNSKGLPL KNLRKMNGIS LLGHTINAAI SSKCFDRIIV

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AERIMAQHPG ERFYVVLMSE NRNEKYDYYF KQIKDKAERA YFFHLPYGLN

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ILTFDDKNEQ KLISEEDLNH HHHHH